(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 16 October 2003 (16.10.2003)

PCT

(10) International Publication Number WO 03/085254 A1

(51) International Patent Classification⁷: F01D 01/36

F03B 5/00,

(21) International Application Number: PCT/US02/10638

(22) International Filing Date: 4 April 2002 (04.04.2002)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant (for all designated States except US): ILLU-SION TECHNOLOGIES, LLC [US/US]; 8 Greenway Plaza, Suite 702, Houston, TX 77046 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VREEKE, Mark, S. [US/US]; 14603 Cedar Point, Houston, TX 77070 (US). KAPADIA, Viren, H. [US/US]; 2345 Bering Drive #633, Houston, TX 77057 (US).

(74) Agent: SHAPER, Sue, Z.; 2925 Briar Park Drive, Suite 930, Houston, TX 77042 (US).

(81) Designated States (national): AE, AC, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

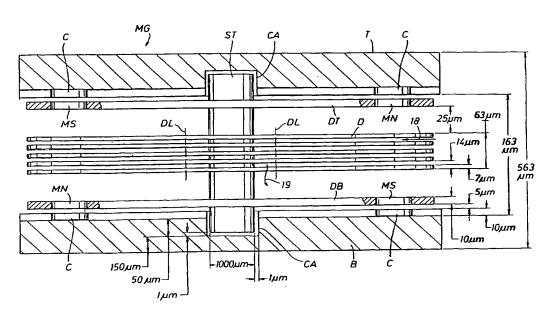
of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MINIATURE/MICRO SCALE POWER GENERATION SYSTEM



(57) Abstract: A miniature/micro scale Tesla-type turbine (MG) with a stalk (ST), a top (T), a bottom (B), five central disks (D) having a aproximate thickness of seven microms. The turbine (MG) also includes inter disk spacing of approximately seven microms and a disk spacing of 25 microms between the upper and the lower of the five disks (D) and the top disk (DT) and the bottom disk (DB). The top (T) and bottom (B) each have conducting elements (C) opposing the magnetic elements (MN and MS) located along the rotating turbine disks (DT and DB).

